

**IN THE UNITED STATES DISTRICT COURT
FOR THE DISTRICT OF SOUTH CAROLINA
Charleston Division**

STERLING MISANIN, et al.,

Plaintiffs,

v.

ALAN WILSON, in his official capacity as
the Attorney General of South Carolina, et al.,

Defendants.

Case No. _____

EXPERT DECLARATION OF DAN H. KARASIC, M.D.

I, DAN H. KARASIC, M.D., hereby declare and state as follows:

1. I am over 18 years of age, of sound mind, and in all respects competent to testify.
2. I have been retained by counsel for Plaintiffs as an expert in connection with the above-captioned litigation.
3. I have actual knowledge of the matters stated herein. If called to testify in this matter, I would testify truthfully and based on my expert opinion.
4. In preparing this declaration, I reviewed South Carolina House Bill 4624 (hereafter, “the ban”). My opinions contained in this declaration are based on: my decades of clinical experience as a psychiatrist treating patients with gender dysphoria, including adolescents, and adults; my knowledge of the peer-reviewed research, regarding the treatment of gender dysphoria, which reflects advancements in the field of transgender health; my knowledge of the clinical practice guidelines for the treatment of gender dysphoria, including my work as a contributing author of the eighth edition of the World Professional Association for Transgender Health

(“WPATH”) *Standards of Care for the Health of Transgender and Gender Diverse People* (SOC 8); and my review of any of the materials cited herein.

5. The materials I have relied upon in preparing this declaration are the same types of materials that experts in my field of study regularly rely upon when forming opinions on the subject. I may wish to supplement these opinions or the bases for them as a result of new scientific research or publications or in response to statements and issues that may arise in my area of expertise.

SUMMARY OF OPINIONS

6. The ban prohibits medical treatments that are part of widely-accepted medical protocols for the treatment of adolescents with gender dysphoria. The following medical groups, among others, recognize that gender-affirming health care is safe and effective for adolescents: the American Academy of Child and Adolescent Psychiatry, the American Academy of Pediatrics, the American Psychological Association, the American Psychiatric Association, and the American Medical Association, among many other mainstream medical organizations.

7. The accepted protocols for the treatment of adolescents with gender dysphoria provide for careful mental health assessments, including of co-occurring conditions; stringent criteria for eligibility for each treatment; and a thorough informed consent process with the adolescent and their parents, before any medical interventions are initiated.

8. Decades of medical research and clinical experience have demonstrated that the banned medical treatments are safe, effective, and medically necessary to relieve gender dysphoria for many adolescents.

9. I have seen first-hand, countless times over decades of practice, the many benefits of this treatment. Denying gender-affirming medical care to adolescents for whom it is medically

indicated puts them at risk of significant harm to their health and well-being, including heightened risk of depression and suicidality.

10. For adolescents for whom gender-affirming medical care is indicated, no alternative treatments have been demonstrated to be effective.

11. When gender dysphoria persists until the beginning of puberty, it is rare for it to resolve on its own. The “watchful waiting” approach followed by some clinicians for pre-pubertal children does not apply to adolescents with gender dysphoria.

12. Gender affirming care for adults is efficacious and safe as treatment for gender dysphoria, with many decades of clinical experience and research demonstrating its benefits. The denial of medically indicated care to transgender people not only results in the prolonging of their gender dysphoria, but causes additional distress and poses other health risks, such as depression, posttraumatic stress disorder, and suicidality. For patients for whom gender-affirming medical care is indicated, no alternative treatments have been demonstrated to be effective.

I. BACKGROUND AND QUALIFICATIONS

13. I am a Professor Emeritus of Psychiatry at the University of California – San Francisco (“UCSF”) School of Medicine. I have been on faculty at the University of California – San Francisco since 1991. I have also had a telepsychiatry private practice since 2020.

14. I received my Doctor of Medicine (M.D.) degree from the Yale Medical School in 1987. In 1991, I completed my residency in psychiatry at the University of California – Los Angeles (“UCLA”) Neuropsychiatric Institute, and from 1990 to 1991, I was a postdoctoral fellow at UCLA in a research training program in mental health services for persons living with AIDS.

15. For over thirty years, I have worked with patients with gender dysphoria. I am a Distinguished Life Fellow of the American Psychiatric Association and have been the chair of the American Psychiatric Association Workgroup on Gender Dysphoria, as well as the sole author of the chapter on transgender care in the American Psychiatric Press's Clinical Manual of Cultural Psychiatry, Second Edition.

16. Over the past 33 years, I have provided care for thousands of transgender patients. For 17 years, I was the psychiatrist for the Dimensions Clinic for transgender youth ages 12-25 years old in San Francisco, and also have provided care for many adolescents in my UCSF faculty practice and my current private practice.

17. I previously sat on the Board of Directors of the World Professional Association for Transgender Health (WPATH) and am a co-author of the *WPATH Standards of Care for the Health of Transsexual, Transgender, and Gender Nonconforming People*, Version 8, which are the internationally accepted guidelines designed to promote the health and welfare of transgender, transsexual, and gender variant persons. I was also a co-author of WPATH SOC 7.

18. As a member of the WPATH Global Education Initiative, I helped develop a specialty certification program in transgender health and helped train over 2,000 health providers. At UCSF, I developed protocols and outcome measures for the Transgender Surgery Program at the UCSF Medical Center. I also served on the Medical Advisory Board for the UCSF Center of Excellence for Transgender Care, and co-wrote the mental health section of the original *Guidelines for the Primary and Gender-Affirming Care of Transgender and Gender Nonbinary People* and the revision in 2016.

19. I have also worked with the San Francisco Department of Public Health, having developed and implemented programs for the care of transgender patients and for mental health

assessments for gender-affirming surgery. I served on the City and County of San Francisco Human Rights Commission's LGBT Advisory Committee, and I have been an expert consultant for California state agencies and on multiple occasions for the United Nations Development Programme on international issues in transgender care.

20. I have held numerous clinical positions concurrent to my clinical professorship at UCSF. Among these, I served as an attending psychiatrist for San Francisco General Hospital's consultation-liaison service for AIDS care, as an outpatient psychiatrist for HIV-AIDS patients at UCSF, as a psychiatrist for the Transgender Life Care Program and the Dimensions Clinic at Castro Mission Health Center, and the founder and co-lead of the UCSF Alliance Health Project's Transgender Team. In these clinical roles, I specialized in the evaluation and treatment of transgender, gender dysphoric, and HIV-positive patients. I also regularly provide consultation on challenging cases to psychologists and other psychotherapists working with transgender and gender dysphoric patients. I have been a consultant in transgender care to the California Department of State Hospitals and the California Department of Corrections and Rehabilitation on the care of incarcerated transgender people.

21. As part of my psychiatric practice treating individuals diagnosed with gender dysphoria and who receive medical and surgical treatment for that condition, as well as a co-author of the WPATH Standards of Care and UCSF's Guidelines for the Primary and Gender-Affirming Care of Transgender and Gender Nonbinary People, I am and must be familiar with additional aspects of medical care for the diagnosis of gender dysphoria, beyond mental health treatment, assessment, and diagnosis.

22. In addition to this work, I have done research on the treatment of depression. I have authored many articles and book chapters and edited the book *Sexual and Gender Diagnoses of the Diagnostic and Statistical Manual (DSM): A Reevaluation*.

23. Since 2018, I have performed over 130 independent medical reviews for the State of California to determine the medical necessity of transgender care in appeals of denial of insurance coverage.

24. In preparing this declaration, I have relied on my training and years of research and clinical experience, as set out in my curriculum vitae, and on the materials listed therein. A true and accurate copy of my curriculum vitae is attached hereto as **Exhibit A**. It documents my education, training, research, and years of experience in this field and includes a list of publications.

25. I have also reviewed the materials cited in the bibliography attached hereto as **Exhibit B**. These sources are authoritative, scientific peer-reviewed publications.

26. The materials I have relied upon in preparing this declaration are the same types of materials that experts in my field of study regularly rely upon when forming opinions on the subject. I reserve the right to revise and supplement the opinions expressed in this report or the bases for them if any new information becomes available in the future, including as a result of new scientific research or publications or in response to statements and issues that may arise in my area of expertise.

Prior Testimony

27. In the last four years, I have testified as an expert by deposition in *Kadel v. Folwell*, 19-cv-00272 (M.D.N.C.), *Fain v. Crouch*, 20-cv-00740 (S.D.W. Va.), *C.P. v. Blue Cross Blue Shield of Illinois*, No.20-cv-06145-RJB (W.D. Wash.), *K.C. et al. vs Individual Members of the*

Indiana Licensing Board, et al, No. 23-2366, *Boe v. Marshall*, No. 2:22-cv-184-LCB (N.D. Ala. by deposition and trial in *Dekker et al., v. Weida, et al.*, No. 4:22-cv-325 (N.D. Fla), *Doe v. Ladapo*, No. 4:23-cv-00114 (N.D. Fla.); and *Dylan Brandt, et al., v. Leslie Rutledge, et al.*, No. 21-CV-450 (E.D. Ark.).

Compensation

28. I am being compensated for my work on this matter at a rate of \$400.00 per hour for preparation of declarations and expert reports. I will be compensated \$3,200.00 per day for any deposition testimony or trial testimony. My compensation does not depend on the outcome of this litigation, the opinions I express, or the testimony I may provide.

II. EXPERT OPINIONS

A. Gender Identity

29. At birth, infants are assigned a sex, either male or female, based on the appearance of their external genitalia.

30. The ban defines sex as “the biological state of being male or female, based on the individual’s sex organs, chromosomes, and endogenous hormone profiles.” But the reality is that sex is complicated and multifactorial. Aside from external genital characteristics, chromosomes, and endogenous hormones, other factors related to sex include gonads, gender identity, and variations in brain structure and function. Because these factors may not always be in perfect alignment as typically male or typically female, “the terms biological sex and biological male or female are imprecise and should be avoided.” (Hembree, et al., 2017).

31. Gender identity is “a person’s deep felt, inherent sense of being a girl, woman, or female; a man, or male; a blend of male or female; [or another] gender.” (American Psychological

Association, 2015, p. 862). Everyone has a gender identity. Gender identity does not always align with a person's sex assigned at birth. Gender identity, which has biological bases, is not a product of external influence and not subject to voluntary change. As documented by multiple leading medical authorities, efforts to change a person's gender identity are ineffective, can cause harm, and are unethical. (American Psychological Association, 2021; Byne, et al., 2018; Coleman, et al., 2012, Coleman, et al., 2022).

32. For most people, their sex assigned at birth, or assigned sex, matches that person's gender identity. For transgender people, their assigned sex does not align with their gender identity.

B. Gender Dysphoria and Its Diagnostic Criteria

33. The term "gender dysphoria" is distress related to the incongruence between one's gender identity and attributes related to one's sex assigned at birth.

34. "Gender Dysphoria in Children" is a diagnosis applied only to pre-pubertal children in the Diagnostic and Statistical Manual Fifth Edition (DSM-5), released in 2013. The criteria are:

- A. A marked incongruence between one's experienced/expressed gender and assigned gender, of at least 6 months duration, as manifested by at least six of the following (one of which must be Criterion A1):
 - 1. A strong desire to be of the other gender or insistence that one is the other gender (or some alternative gender different from one's assigned gender).
 - 2. In boys (assigned gender), a strong preference for cross-dressing or simulating female attire; or in girls (assigned gender), a strong preference for wearing only typical masculine clothing and a strong resistance to the wearing of typical feminine clothing.
 - 3. A strong preference for cross-gender roles in make-believe play or fantasy play.
 - 4. A strong preference for the toys, games, or activities stereotypically used or engaged in by the other gender.
 - 5. A strong preference for playmates of the other gender.
 - 6. In boys (assigned gender), a strong rejection of typically masculine toys, games, and activities and a strong avoidance of rough-and-tumble play; or in girls (assigned gender), a strong rejection of typically feminine toys, games, and activities.
 - 7. A strong dislike of one's sexual anatomy.

8. A strong desire for the primary and/or secondary sex characteristics that match one's experienced gender.
- B. The condition is associated with clinically significant distress or impairment in social circles, school, or other important areas of functioning.

35. The DSM-5 has a separate diagnosis of "Gender Dysphoria in Adolescents and Adults". The criteria are:

- A. A marked incongruence between experienced/expressed gender and assigned gender, of at least 6 months' duration, as manifested by at least two of the following:
 1. A marked incongruence between one's experienced/expressed gender and primary or secondary sex characteristics (or in young adolescents, the anticipated secondary sex characteristics).
 2. A strong desire to be rid of one's primary and/or secondary sex characteristics because of a marked incongruence with one's experienced/expressed gender (or in young adolescents, a desire to prevent the development of the anticipated secondary sex characteristics).
 3. A strong desire for the primary and/or secondary sex characteristics of the other gender.
 4. A strong desire to be of the other gender (or some alternative gender different from one's assigned gender).
 5. A strong desire to be treated as the other gender (or some alternative gender different from one's assigned gender).
 6. A strong conviction that one has the typical feelings and reactions of the other gender (or some alternative gender different from one's assigned gender).
- B. The condition is associated with clinically significant distress or impairment in social, occupational, or other important areas of functioning.

36. Simply being transgender or gender nonconforming is not a medical condition to be treated. As the DSM-5 recognizes, diagnosis and treatment are "focus[ed] on dysphoria as the clinical problem, not identity per se." (DSM-5, at 451). The DSM-5 unequivocally repudiated the outdated view that being transgender is a pathology by revising the diagnostic criteria (and

name) of gender dysphoria to recognize the clinical distress as the focus of the treatment, not the patient's transgender status.

C. Gender Dysphoria Treatment Protocols for Adolescents

37. The World Professional Association of Transgender Health (WPATH) has issued *Standards of Care for the Health of Transsexual, Transgender, and Gender Nonconforming People* (“WPATH SOC”) since 1979. The current version, published in 2022, is WPATH SOC 8. The SOC 8 provides guidelines for multidisciplinary care of transgender individuals, including children and adolescents, and describes criteria for medical interventions to treat gender dysphoria, including hormone treatment and surgery when medically indicated.

38. The SOC 8 is based upon a rigorous and methodological evidence-based approach to outline treatment recommendations. These recommendations are evidence-based, informed by a systematic review of evidence and an assessment of the benefits and harms of alternative care options, as well as expert consensus. The process for development of SOC 8 incorporated recommendations on clinical practice guideline development from the National Academies of Medicine and The World Health Organization. Its recommendations were graded using a modified GRADE (Grading of Recommendations, Assessment, Development, and Evaluations) methodology considering the available evidence supporting interventions, risks and harms, and feasibility and acceptability.

39. The WPATH Standards of Care are widely accepted in the medical community and relied upon by clinicians treating patients with gender dysphoria.

40. A clinical practice guideline from the Endocrine Society (the Endocrine Society Guideline) provides similar protocols for the medically necessary treatment of gender dysphoria. (Hembree, et al, 2017).

41. In accordance with the WPATH SOC 8 and the Endocrine Society Guideline, medical interventions to treat gender dysphoria may include treatment with pubertal suppression, hormones, and surgery depending on the age and medical needs of each individual.

42. No medical or surgical treatment for gender dysphoria is provided to pre-pubertal children. For pre-pubertal children, interventions are directed at supporting the child with family, peers, and at school, as well as supportive individual psychotherapy for the child as needed.

43. Adolescents (which generally refers to minors after the onset of puberty) with gender dysphoria may be treated with medications to delay pubertal changes in the early stages of puberty if they are causing distress. Puberty blockers allow the adolescent time to better understand their gender identity, while delaying distress from the development of secondary sex characteristics such as breasts or facial hair.

44. Under the WPATH Standards of Care, puberty-delaying medication for transgender adolescents after the beginning of puberty and gender-affirming hormone therapy for older adolescents may be medically indicated if the following criteria are met: (a) Gender diversity/incongruence is marked and sustained over time; (b) Meets the diagnostic criteria of Gender Dysphoria; (c) Demonstrates the emotional and cognitive maturity required to provide informed consent/assent for the treatment; (d) Mental health concerns (if any) that may interfere with diagnostic clarity, capacity to consent, and gender-affirming medical treatments have been addressed; sufficiently so that gender-affirming medical treatment can be provided optimally; (e) Informed of the reproductive effects, including the potential loss of fertility and the available options to preserve fertility.

45. For minor patients, all treatment decisions are made in consultation with the patient and the patient's parents or guardian. Consent for medical intervention is provided by the parent in the case of any minor receiving treatment.

46. After ongoing work with mental health professionals and when the adolescent has lived in accordance with their gender identity for a significant period of time, they may start treatment with hormones (testosterone for transgender boys, estrogen and testosterone suppressants for transgender girls) if and when medically indicated.

47. Affirming care for transgender youth does not mean steering them in any particular direction, but rather supporting them through their period of exploration of gender expression and increasing self-awareness of their identity. (Coleman, et al., 2012, at 181; Ehrensaft, 2017).

48. The WPATH SOC 8 and the Endocrine Society Guideline further provide that before any medical or surgical interventions are provided to adolescents, a careful mental health assessment should be conducted to ascertain whether the diagnostic criteria for Gender Dysphoria in Adolescents and Adults are met, and the appropriateness of such care for the patient. The Endocrine Society Guideline states that only "[mental health professionals] who ha[ve] training/experience in child and adolescent gender development (as well as child and adolescent psychopathology) should make the diagnosis," which usually includes "a complete psychodiagnostic assessment." (Hembree, 2017). It further provides that because gender dysphoria "may be accompanied with psychological or psychiatric problems" it is necessary that clinicians involved in diagnosis and psychosocial assessment meet specific competency requirements and that they undertake or refer for appropriate psychological or psychiatric treatment. *Id.* And "in cases in which severe psychopathology" "interfere[s] with diagnostic work or make[s] satisfactory treatment unlikely, clinicians should assist the adolescent in managing these other issues." *Id.*

49. As with all medical care, the care provided to transgender young people with gender dysphoria is tailored to the unique needs of each patient based on their individual experiences, proximity to specialists, and general health, as well as the clinical experience of practitioners.

D. Evidence of Efficacy of Medical Treatments

50. There is substantial evidence that puberty blockers and hormone therapy are effective treatments for adolescents with gender dysphoria. This evidence includes scientific studies assessing mental health outcomes for adolescents who are treated with these interventions, and decades of clinical experience.

51. Medical treatment for gender dysphoria has been studied for over half a century, and there is substantial evidence that it improves quality of life and measures of mental health. (Cornell, “What We Know” review).

52. The studies on gender-affirming medical care for adolescents with gender dysphoria are consistent with decades of clinical experience of mental health providers across the U.S. and around the world. At professional conferences and other settings in which I interact with colleagues, clinicians report that gender-affirming medical care, for those for whom it is indicated, provides great clinical benefit. In my 30 years of clinical experience treating gender dysphoric patients, including 19 years working with adolescents, I have seen the benefits of gender affirming medical care on my patients’ health and well-being. I have seen many patients show improvement in mental health, as well as in performance in school, in social functioning with peers, and in family relationships when they experience relief from gender dysphoria with gender-affirming medical care.

53. Claims that the risks outweigh the benefits of treatment are without foundation. The benefits of treatment, and risks of withholding care, for transgender youth with gender dysphoria

are clear, as described and referenced above. In addition, a treating doctor will not offer gender-affirming medical treatments unless they have concluded after weighing the risks and benefits of care that treatment is appropriate. The risks and benefits of care are discussed with the minor's parents, who must consent to treatment, and to the youth, who must assent. This process is no different than the informed consent process for other treatments. However, for gender-affirming medical care, there may be the additional safeguard of the assessment by a mental health professional, who, in addition to diagnosing gender dysphoria, also reviews the risks and benefits of treatment with the youth and parents.

54. Regret among those who are treated with gender-affirming medical care is rare. For example, in one study in the Netherlands, none of the youth who received puberty blockers, hormones, and surgery, and followed over an 8-year period expressed regret. (DeVries 2014.) Zucker et al. (2010), summarizing key studies on regret for adolescents referred for surgery when they reached the age of majority in the Netherlands, states, "there was virtually no evidence of regret, suggesting that the intervention was effective." This is consistent with my observations in decades of clinical practice. Cavve et al. (2024) examined the outcomes of 548 of the 552 youth referred to the pediatric gender clinic in Perth, Australia. This study is exceptional in medical literature generally for the extremely high share of former patients the researchers were able to reach. Of 196 youth who were started on puberty blockers or hormones, only 2 (1.0%) discontinued medical treatment because of reidentification with birth sex.

55. Regret rates for gender affirming surgery in adults are also very low. A pooled review across multiple studies of 7,928 patients receiving gender affirming surgery showed a regret rate of 1%. (Bustos, et al., 2021). Over 50 years of gender affirming surgery in Sweden, the regret rate, as measured by legal gender change reversal, was 2%. (Dhejne, et al 2014). A recent

study found very high satisfaction and very little regret among those receiving gender-affirming mastectomy at one U.S. center following a longitudinal period ranging from 2 to 30 years. (Bruce, et al 2023). Regret rates after gender-affirming surgeries are very low compared to other surgeries, (Thornton, et al 2024); for example, 47% of women expressed at least some regret after reconstructive breast surgery following mastectomy for breast cancer, (Sheehan et al 2008).

56. Many bills like the one passed in South Carolina claim that for most youth, gender dysphoria will resolve on its own, making medical interventions unnecessary. These claims are inaccurate and are often in reference to a body of literature, sometimes referred to as “desistance” studies, that found that many pre-pubertal children diagnosed with Gender Identity Disorder in Children (a precursor diagnosis to Gender Dysphoria in Children in the DMS III-R and DSM-IV) identified with their sex assigned at birth at a later follow up. Reliance on this research is misplaced for two reasons. First, the diagnostic criteria for Gender Identity Disorder in Children were different from the diagnostic criteria for Gender Dysphoria in Children in meaningful ways that result in the desistance studies grossly overestimating the rate of desistance. Gender Identity Disorder in Children did not require identification with a gender other than the one assigned to the person at birth. A diagnosis could be made solely on the basis of gender atypical behavior, such as a boy who prefers playing with dolls and dress-up. This means that a child could be diagnosed with Gender Identity Disorder without ever having a transgender identity and, therefore, any study that selected subjects based on this diagnosis could include individuals who never had a gender identity that differed from the sex they were assigned at birth. This problem with the diagnosis was remedied with the DSM-V diagnosis of “Gender Dysphoria in Children,” which requires a child to have “a strong desire to be of the other gender or an insistence that one is the other gender (or some alternative gender different from one’s assigned gender).” Under this updated diagnosis,

a child could not be diagnosed based solely on gender atypical behavior without identifying as a different sex than the one assigned at birth. Because the desistance studies were all conducted prior to the DSM-V, a child did not need to have a transgender identity to be included in the study. Additionally, in some studies, the children did not even meet the looser criteria for Gender Identity Disorder, but were entered in the studies based on parents bringing the youth to the gender clinic. It is not surprising that many children in these studies did not identify as transgender at follow-up as these children were never transgender and never identified with a gender different from their assigned sex at birth.

57. Second, the desistance studies focused only on pre-pubertal children. Whatever conclusions can be drawn from them about the likelihood of persistence of gender dysphoria in pre-pubertal children, which again is uncertain given the diagnostic limitations identified above—data indicates that once youth reach the beginning of puberty and identify as transgender, desistance is rare. (DeVries, et al., 2011; Wiepjes, et al 2018, Brik, et al, 2020; Cavve, et al 2024). This data is consistent with clinical experience. In fact, the Amsterdam and Toronto gender centers that published the desistance data on pre-pubertal children referenced above provided medical interventions to youth whose gender dysphoria persisted into adolescence. (Zucker, et al 2010, DeVries, et al 2014). No medical treatments are used prior to adolescence, so the persistence and desistance rates of pre-pubertal children do not inform the decision whether or not to initiate gender affirming medical treatments in adolescents.

58. “Watchful waiting” is an approach that has been described with respect to the care of pre-pubertal children with gender dysphoria. This approach involves a stance that is neither affirming nor rejecting of a child’s asserted gender, but generally does not support social transition in pre-pubertal children. “Watchful waiting” does not apply to adolescents or speak to the

appropriateness of medical interventions for adolescents with gender dysphoria. Indeed, the Dutch researchers who coined the term “watchful waiting” for pre-pubertal patients provided puberty blockers, then hormones, when medically indicated during adolescence and have published the successful use of this series of treatments. (Ehrensaft, 2017; DeVries, 2014).

59. Gender-affirming medical interventions in accordance with the WPATH SOC 8 and Endocrine Society Guideline are widely recognized in the medical community as safe, effective, and medically necessary for many adolescents with gender dysphoria. (*See* American Academy of Pediatrics, 2018; the American Medical Association, 2021; the Endocrine Society, 2020; the Pediatric Endocrine Society, 2021; the American Psychiatric Association, 2018; the American Psychological Association, 2021; the American Congress of Obstetricians and Gynecologists, 2021; the American Academy of Family Physicians, 2020; and WPATH, 2022).

C. Treatment Protocols for Adults with Gender Dysphoria

60. If an adult patient is assessed to have a medical need for hormone therapy, gender-affirming hormone therapy involves administering steroids of the experienced sex (i.e., their gender identity), such as testosterone in transgender male individuals and estrogen in transgender female individuals. The purpose of this treatment is to attain the appropriate masculinization or feminization of the transgender person to achieve a gender phenotype that matches as closely as possible to their gender identity. For adults, this treatment allows patients to live more comfortably in their identified gender, with relief from gender dysphoria. Gender-affirming hormone therapy is a partially reversible treatment in that some of the effects produced by the hormones are reversible (e.g., changes in body fat composition, decrease in facial and body hair) while others are irreversible (e.g., deepening of the voice, decreased testicular mass).

61. Some transgender adults need surgical interventions to help bring their phenotype into alignment with their gender. Surgical interventions may include, inter alia, vaginoplasty and orchiectomy for transgender female individuals, and chest reconstruction and hysterectomy for transgender male individuals.

62. Regret rates for gender-affirming surgery in adults are also very low. A pooled review across multiple studies of 7,928 patients receiving gender-affirming surgery showed a regret rate of 1%. (Bustos, et al., 2021). Over 50 years of gender-affirming surgery in Sweden, the regret rate, as measured by legal gender change reversal, was 2%. (Dhejne, et al., 2014). A recent study found very high satisfaction and very little regret among those receiving gender-affirming mastectomy at one U.S. center following a longitudinal period ranging from 2 to 30 years. (Bruce, et al 2023). Regret rates after gender-affirming surgeries are very low compared to other surgeries, (Thornton, et al 2024); for example, 47% of women expressed at least some regret after reconstructive breast surgery following mastectomy for breast cancer. (Sheehan, et al., 2008).

63. In the past 10 years, there has been a reversal in longstanding coverage policies that had excluded reimbursement of gender-affirming care for transgender people. There are many more clinics providing care to transgender youth and adults in academic medical centers than a decade ago, because funding is now available. This change is allowing clinical researchers to expand the body of research in the United States, as well as increasing access to care.

64. The cost of providing coverage for gender-affirming care is also generally very low. To begin, transgender people constitute a small percentage of the overall population, approximately 0.5%. (Crissman, et. al., 2017). Furthermore, the fraction of the population receiving clinical care for Gender Dysphoria is much smaller, well under one in a thousand patients (Zhang, et al., 2020). As a result, one study estimated an average cost of \$0.016 cents per member

per month to provide gender-affirming care. (Padula, et al., 2016). A study by Herman (2013) similarly found low costs to providing health coverage for gender-affirming care. Additionally, when a form of treatment is covered for cisgender people under an insurance plan, it is generally not disproportionately costly to cover the same treatment for transgender people simply because it is provided to treat gender dysphoria.

65. Accordingly, major medical organizations, such as the American Medical Association, the American Psychiatric Association, the Endocrine Society, the American College of Obstetricians and Gynecologists, and the American Academy of Family Physicians oppose the denial of this medically necessary care and support public and private health insurance coverage for treatment of gender dysphoria as recommended by the patient's physician. (American Medical Association, 2021; American Psychiatric Association, 2018; Endocrine Society, 2012; American College of Obstetricians and Gynecologists, 2021; American Academy of Family Physicians, 2020).

66. For all the reasons above, I am aware of no basis in medicine or science for categorical exclusion of coverage for gender-affirming care.

D. Harms of Denying Gender-Affirming Care

67. The overarching goal of treatment is to eliminate the distress of gender dysphoria by helping align an individual patient's body and presentation with their gender identity. The denial of medically indicated care to patients with gender dysphoria not only results in the prolonging of their dysphoria, but also causes additional distress and poses other health risks, such as depression, posttraumatic stress disorder, and suicidality. In other words, lack of access to gender-affirming care directly contributes to poorer mental health outcomes for transgender people. (Owen-Smith, et al., 2018).

68. For patients for whom gender-affirming medical care is indicated, no alternative treatments have been demonstrated to be effective. To the extent one proposed alternative is psychotherapeutic treatment to encourage identification with a person's assigned sex at birth, the American Psychological Association has stated that such efforts provide no benefit and instead do harm. (APA 2021). Or if an alternative approach is to treat the worsening dysphoria only with therapy, that has not shown to be effective in any research.

69. I have had patients over the years who were unable to access gender-affirming care when it was clinically indicated, including in the years before this care was more widely available, as well as minors who could not access care due to lack of parental consent. In many of these patients, delayed or denied care resulted in increased depression, anxiety, suicidal ideation and self-harm, increased substance use, and a deterioration in school performance. For patients with severe distress due to sex characteristics, psychotherapeutic approaches did not alleviate this distress absent medical intervention. Some of my patients had years of intensive mental health interventions, including long-term psychotherapy, without relief of gender dysphoria until receiving medical intervention.

70. Accordingly, major medical organizations, such as the American Medical Association, the American Psychiatric Association, the Endocrine Society, the American College of Obstetricians and Gynecologists, and the American Academy of Family Physicians oppose the denial of this medically necessary care for transgender individuals and support public and private health insurance coverage for treatment of gender dysphoria as recommended by the patient's physician. (American Medical Association, 2021; American Psychiatric Association, 2018; Endocrine Society, 2012, American Congress of Obstetricians and Gynecologists, 2021; American Academy of Family Physicians, 2020). Denial of this appropriate care for transgender adolescents

is also opposed by medical professional organizations responsible for the care of youth, including the American Academy of Pediatrics, the Academy of Child and Adolescent Psychiatry, and the Pediatric Endocrine Society. (American Academy of Pediatrics, 2018; American Academy of Child and Adolescent Psychiatry, 2019; The Pediatric Endocrine Society, 2021).

CONCLUSION

71. The ban prohibits widely-accepted, evidence-based medical treatments for gender dysphoria in adolescents. Decades of medical research and clinical experience demonstrate that these medical treatments are safe, effective, and medically necessary to relieve gender dysphoria for many adolescents. The ban prohibits the only treatments demonstrated to be effective for adolescents with gender dysphoria for whom gender-affirming medical care is indicated. The ban also severely limits access to care for transgender adults in South Carolina by restricting the use of public funds for the study and provision gender affirming care. Consistent with my first-hand clinical experience over decades of practice, denying gender-affirming medical care to transgender people for whom it is medically indicated puts them at risk of significant harm to their health and well-being.

I declare under penalty of perjury under the laws of the United States of America that the foregoing is true and correct.

Executed on: 8/21/24.

A handwritten signature in black ink, appearing to read 'D. Karasic', is positioned above a horizontal line.

Dan H. Karasic, M.D.

EXHIBIT A

University of California, San Francisco

CURRICULUM VITAE

Name: Dan H. Karasic, MD

Position: Professor Emeritus
Psychiatry
School of Medicine

Voice: 415-935-1511

Fax: 888-232-9336

EDUCATION

1978 - 1982	Occidental College, Los Angeles	A.B.; Summa Cum Laude	Biology
1982 - 1987	Yale University School of Medicine	M.D.	Medicine
1987 - 1988	University of California, Los Angeles	Intern	Medicine, Psychiatry, and Neurology
1988 - 1991	University of California, Los Angeles; Neuropsychiatric Institute	Resident	Psychiatry
1990 - 1991	University of California, Los Angeles; Department of Sociology	Postdoctoral Fellow	Research Training Program in Mental Health Services for Persons with AIDS

LICENSES, CERTIFICATION

1990	Medical Licensure, California, License Number G65105
1990	Drug Enforcement Administration Registration Number BK1765354
1993	American Board of Psychiatry and Neurology, Board Certified in Psychiatry

PRINCIPAL POSITIONS HELD

1991 - 1993	University of California, San Francisco	Health Sciences Psychiatry Clinical Instructor
1993 - 1999	University of California, San Francisco	Health Sciences Psychiatry Assistant Clinical Professor

1999 - 2005	University of California, San Francisco	Health Sciences Psychiatry Associate Clinical Professor
2005 - 2020	University of California, San Francisco	Health Sciences Psychiatry Clinical Professor
2020-present	University of California, San Francisco	Professor Emeritus of Psychiatry

OTHER POSITIONS HELD CONCURRENTLY

1980 - 1980	Associated Western Universities / U.S. Department of Energy	Honors Undergraduate Research Fellow	UCLA Medicine
1981 - 1981	University of California, Los Angeles; Medicine American Heart Association, California Affiliate	Summer Student Research Fellow	UCLA
1986 - 1987	Yale University School of Medicine; American Heart Association, Connecticut Affiliate	Medical Student Research Fellow	Psychiatry
1990 - 1991	University of California, Los Angeles	Postdoctoral	Sociology Fellow
1991 - 2001	SFGH Consultation-Liaison Service; AIDS Care	Attending Psychiatrist	Psychiatry
1991 - 2001	AIDS Consultation-Liaison Medical Student Elective	Course Director	Psychiatry
1991 - present	UCSF Positive Health Program at San General Hospital (Ward 86)	HIV/AIDS Outpatient Psychiatrist	Psychiatry Francisco
1991 - present	UCSF AHP (AIDS Health Project/Alliance Health Project)	HIV/AIDS Outpatient Psychiatrist	Psychiatry
1994 - 2002	St. Mary's Medical Center CARE Unit. The CARE Unit specializes in the care of patients with AIDS dementia.	Consultant	Psychiatry
2001 - 2010	Depression and Antiretroviral Adherence Study (The H.O.M.E. study: Health Outcomes of Mood Enhancement)	Clinical Director	Psychiatry and Medicine
2003 - 2020	Transgender Life Care Program and Clinic, Castro Mission Health	Psychiatrist Clinic Center	Dimensions Dimensions
2013 - 2020	UCSF Alliance Health Project, Co-lead, Transgender Team	Co-Lead and Psychiatrist	Psychiatry

HONORS AND AWARDS

1981	Phi Beta Kappa Honor Society	Phi Beta Kappa
1990	NIMH Postdoctoral Fellowship in Health Services for People with AIDS (1990-1991)	National Institute of Mental Health Mental
2001	Lesbian Gay Bisexual Transgender Leadership Award, LGBT Task Force of the Cultural Competence and Diversity Program	SFGH Department of Psychiatry
2006	Distinguished Fellow	American Psychiatric Association
2012	Chancellor's Award for Leadership in LGBT Health	UCSF
2023	Alumni Seal Award for Achievement	Occidental College Professional

MEMBERSHIPS

1992 - present Northern California Psychiatric Society

1992 - present American Psychiatric Association

2000 - 2019 Bay Area Gender Associates (an organization of psychotherapists working with transgendered clients)

2001 - present World Professional Association for Transgender Health

SERVICE TO PROFESSIONAL ORGANIZATIONS

1981 - 1982	The Occidental	News Editor
1984 - 1985	Yale University School of Medicine	Class President
1989 - 1991	Kaposi's Sarcoma Group, AIDS Project Los Angeles	Volunteer Facilitator
1992 - 1996	Early Career Psychiatrist Committee, Association of Gay Lesbian Psychiatrists	Chair and
1992 - 1996	Board of Directors, Association of Gay and Lesbian	Member Psychiatrists
1993 - 1993	Local Arrangements Committee, Association of Gay and Psychiatrists	Chair Lesbian
1994 - 1995	Educational Program, Association of Gay and Lesbian 1995 Annual Meeting	Director Psychiatrists,
1994 - 1998	Board of Directors, BAY Positives	Member
1994 - 2020	Committee on Lesbian, Gay, Bisexual and Transgender	Member

Issues, Northern California Psychiatric Society

- 1995 - 1997 Board of Directors, Bay Area Young Positives. BAY President
Positives is the nation's first community-based organization providing psychosocial and recreational services to HIV-positive youth
- 1995 - 1997 Executive Committee, Bay Area Young Positives. Chair
- 1996 - 2004 Committee on Lesbian, Gay, Bisexual and Transgender Chair Issues, Northern California Psychiatric Society
- 1998 - 2002 City of San Francisco Human Rights Commission, Member Lesbian, Gay Bisexual Transgender Advisory Committee
- 2000 - 2004 Association of Gay and Lesbian Psychiatrists. Vice President Responsible for the organization's educational programs
- 2004 - 2005 Association of Gay and Lesbian Psychiatrists President-elect
- 2005 - 2007 Caucus of Lesbian, Gay, and Bisexual Psychiatrists of the Chair American Psychiatric Association
- 2005 - 2007 Association of Gay and Lesbian Psychiatrists President
- 2007 - 2009 Association of Gay and Lesbian Psychiatrists Immediate Past President
- 2009 - 2010 Consensus Committee for Revision of the Sexual and Gender Identity Disorders for DSM-V, GID of Adults subcommittee. (Wrote WPATH recommendations as advisory body to the APA DSM V Committee for the Sexual and Gender Identity Disorders chapter revision.) Member
- 2010 - 2011 Scientific Committee, 2011 WPATH Biennial Symposium, Member Atlanta
- 2010 -2022 World Professional Association for Transgender Care Member Standards of Care Workgroup and Committee (writing seventh and eighth revisions of the WPATH Standards of Care, which is used internationally for transgender care.)
- 2010 - 2018 ICD 11 Advisory Committee, World Professional Member Association for Transgender Health
- 2012 - 2014 Psychiatry and Diagnosis Track Co-chair, Scientific Member Committee, 2014 WPATH Biennial Symposium, Bangkok
- 2014 - 2016 Scientific Committee, 2016 WPATH Biennial Symposium, Member Amsterdam
- 2014 - 2018 Board of Directors (elected to 4 year term), World Member Professional Association for Transgender Health
- 2014 - 2018 Public Policy Committee, World Professional Association Chair for Transgender Health
- 2014 - 2018 WPATH Global Education Initiative: Training providers Trainer and and specialty certification in transgender health Steering

Committee
Member

2014 - 2016 American Psychiatric Association Workgroup on Gender Member Dysphoria
2016 - present American Psychiatric Association Workgroup on Gender Chair Dysphoria
2016 USPATH: Inaugural WPATH U.S. Conference, Los Angeles, 2017 Conference Chair

SERVICE TO PROFESSIONAL PUBLICATIONS

2011 - present Journal of Sexual Medicine, reviewer
2014 - present International Journal of Transgenderism, reviewer
2016 - present LGBT Health, reviewer

INVITED PRESENTATIONS - INTERNATIONAL

2009	World Professional Association for Transgender Health, Oslo, Norway	Plenary Session Speaker
2009	World Professional Association for Transgender Health, Oslo, Norway	Symposium Speaker
2009	Karolinska Institutet, Stockholm Sweden	Invited Lecturer
2012	Cuban National Center for Sex Education (CENESEX), Cuba	Invited Speaker Havana,
2013	Swedish Gender Clinics Annual Meeting, Stockholm, Sweden	Keynote Speaker
2013	Conference on International Issues in Transgender care, United Nations Development Programme - The Lancet, Beijing, China	Expert Consultant
2014	World Professional Association for Transgender Health, Thailand	Track Chair Bangkok,
2014	World Professional Association for Transgender Health, Bangkok, Thailand	Invited Speaker
2014	World Professional Association for Transgender Health, Bangkok, Thailand	Invited Speaker
2015	European Professional Association for Transgender Health, Ghent, Belgium	Invited Speaker Health,
2015	European Professional Association for Transgender Health, Ghent, Belgium	Symposium Chair
2015	Israeli Center for Human Sexuality and Gender Identity,	Invited Speaker Tel Aviv
2016	World Professional Association for Transgender Health, Amsterdam	Symposium Chair
2016	World Professional Association for Transgender Health, Amsterdam	Invited Speaker

2016	World Professional Association for Transgender Health, Invited Speaker Amsterdam
2017	Brazil Professional Association for Transgender Health, Sao Paulo
2017	Vietnam- United Nations Development Programme Asia Transgender Health Conference, Hanoi
2018	United Nations Development Programme Asia Conference on Transgender Health and Human Rights, Bangkok
2018	World Professional Association for Transgender Health, Invited Speaker Buenos Aires
2021	Manitoba Psychiatric Association, Keynote Speaker
2022	World Professional Association for Public Health, invited speaker, Montreal

INVITED PRESENTATIONS - NATIONAL

1990	Being Alive Medical Update, Century Cable Television	Televised Lecturer
1992	Institute on Hospital and Community Psychiatry, Toronto	Symposium Speaker
1992	Academy of Psychosomatic Medicine Annual Meeting, San Diego	Symposium Speaker
1994	American Psychiatric Association 150th Annual Meeting, Philadelphia	Workshop Chair
1994	American Psychiatric Association 150th Annual Meeting, Philadelphia	Workshop Speaker
1994	American Psychiatric Association 150th Annual Meeting, Philadelphia	Paper Session Co-chair
1995	Spring Meeting of the Association of Gay and Lesbian Psychiatrists, Miami Beach	Symposium Chair
1996	American Psychiatric Association 152nd Annual Meeting, New York	Workshop Speaker
1997	American Psychiatric Association Annual Meeting, San Diego	Workshop Speaker
1997	Gay and Lesbian Medical Association Annual	Invited Speaker Symposium
1998	American Psychiatric Association Annual Meeting, Toronto	Workshop Chair
1998	American Psychiatric Association Annual Meeting, Toronto	Workshop Chair

1998	American Psychiatric Association Annual Meeting, Toronto	Media Session Chair
1998	American Psychiatric Association Annual Meeting, Toronto	Media Session Chair
1999	American Psychiatric Association Annual Meeting, Washington, D.C.	Symposium Chair
1999	American Psychiatric Association Annual Meeting, Washington, D.C.	Symposium Presenter
1999	American Psychiatric Association Annual Meeting, Washington, D.C.	Workshop Chair
2000	American Psychiatric Association Annual Meeting, Chicago	Workshop Chair
2000	National Youth Leadership Forum On Medicine, University of California, Berkeley	Invited Speaker
2001	American Psychiatric Association Annual Meeting, New Orleans	Workshop Chair
2001	American Psychiatric Association Annual Meeting, New Orleans	Media Program Chair
2001	Association of Gay and Lesbian Psychiatrists Orleans	Chair Symposium, New
2001	Harry Benjamin International Gender Dysphoria Association Biennial Meeting, Galveston, Texas	Invited Speaker
2002	American Psychiatric Association Annual Meeting, Philadelphia	Media Program Chair
2002	American Psychiatric Association Annual Meeting, Philadelphia	Workshop Chair
2002	American Psychiatric Association Annual Meeting, Philadelphia	Workshop Chair
2003	Association of Gay and Lesbian Psychiatrists CME	Chair Conference
2003	American Psychiatric Association Annual Meeting, San Francisco	Symposium Chair
2003	American Psychiatric Association Annual Meeting, San Francisco	Symposium Co- Chair
2003	American Psychiatric Association Annual Meeting, San Francisco	Workshop Chair
2003	American Public Health Association Annual Meeting, San Francisco	Invited Speaker
2004	Mission Mental Health Clinic Clinical Conference	Invited Speaker

2004	Association of Gay and Lesbian Psychiatrists Conference, New York	Co-Chair
2004	Mental Health Care Provider Education Program: Los Angeles. Sponsored by the American Psychiatric Association Office of HIV Psychiatry	Invited Speaker
2005	American Psychiatric Association Annual Meeting, Atlanta	Workshop Speaker
2005	Association of Gay and Lesbian Psychiatrists Saturday Symposium	Invited Speaker
2008	Society for the Study of Psychiatry and Culture, San Francisco	Invited Speaker
2009	American Psychiatric Association Annual Meeting, San Francisco	Symposium Speaker
2011	National Transgender Health Summit, San Francisco	Invited Speaker
2011	National Transgender Health Summit, San Francisco	Invited Speaker
2011	American Psychiatric Association Annual Meeting, Honolulu, HI	Symposium Chair
2011	American Psychiatric Association Annual Meeting, Honolulu, HI	Symposium Speaker
2011	World Professional Association for Transgender Health Conference, Atlanta, GA	Invited Speaker Biennial
2011	World Professional Association for Transgender Health Conference, Atlanta, GA	Invited Speaker Biennial

		Invited Speaker
2011	World Professional Association for Transgender Health Biennial Conference, Atlanta, GA	
2011	Institute on Psychiatric Services, San Francisco	Invited Speaker
2012	Gay and Lesbian Medical Association Annual Meeting	Invited Speaker
2013	National Transgender Health Summit, Oakland, CA	Invited Speaker
2013	National Transgender Health Summit, Oakland, CA	Invited Speaker
2013	National Transgender Health Summit, Oakland, CA	Invited Speaker
2013	American Psychiatric Association Annual Meeting, San Francisco	Invited Speaker
2013	Gay and Lesbian Medical Association, Denver, CO	Invited Speaker
2014	American Psychiatric Association Annual Meeting, New York	Invited Speaker
2014	Institute on Psychiatric Services, San Francisco	Moderator
2014	Institute on Psychiatric Services, San Francisco	Invited Speaker
2014	Institute on Psychiatric Services, San Francisco	Invited Speaker
2015	National Transgender Health Summit, Oakland, CA	Invited Speaker
2015	National Transgender Health Summit, Oakland, CA	Invited Speaker
2015	American Psychiatric Association Annual Meeting, Toronto	Workshop Speaker
2015	American Psychiatric Association Annual Meeting, Toronto	Course Faculty
2016	American Psychiatric Association Annual Meeting	Course Faculty
2016	World Professional Association for Transgender Health Global Education Initiative, Atlanta	Course Faculty
2016	World Professional Association for Transgender Health Global Education Initiative, Springfield, MO	Course Faculty
2016	World Professional Association for Transgender Health Global Education Initiative, Fort Lauderdale, FL	Course Faculty
2017	World Professional Association for Transgender Health, GEI, Los Angeles	Course Faculty
	World Professional Association for Transgender Health	

Surgeon's Training, Irvine, CA Course Faculty

2017	American Urological Association Annual Meeting, San Francisco CA Invited Speaker
2018	World Professional Association for Transgender Health GEI, Portland OR, Course Faculty
2018	World Professional Association for Transgender Health GEI, Palm Springs, Course Faculty
2019	American Society for Adolescent Psychiatry Annual Meeting, San Francisco, Speaker
2019	American Psychiatric Association Annual Meeting, San Francisco, Session Chair
2020	Psychiatric Congress, Invited Speaker
2022	World Professional Association for Transgender Health, Montreal, invited speaker
2023	National Transgender Health Summit, San Francisco, invited speaker
2023	American Psychiatric Association Annual Meeting, San Francisco, invited speaker
2023	US Professional Association for Transgender Health, speaker

INVITED PRESENTATIONS - REGIONAL AND OTHER INVITED PRESENTATIONS

1990	Advanced Group Therapy Seminar, UCLA Neuropsychiatric Institute	Invited Lecturer
1991	Joint Project of the Southern California AIDS Interfaith Council and UCLA School of Medicine	Symposium Speaker
1991	Joint Project of the Southern California AIDS Interfaith Council and UCLA School of Medicine	Workshop Panelist
1992	Advanced Group Therapy Seminar, UCLA Neuropsychiatric Institute	Invited Lecturer
1993	UCSF School of Nursing	Invited Lecturer
1995	UCSF/SFGH Department of Medicine Clinical Care Conference	Invited Speaker
1996	UCSF School of Nursing	Invited Speaker

1996	Psychopharmacology for the Primary Care AIDS/Clinician, series of four lectures, UCSF Department of Medicine	Invited Speaker
1996	UCSF AIDS Health Project Psychotherapy Internship Training Program	
1996	UCSF/SFGH Department of Medicine AIDS Quarterly Update	Invited Speaker
1996	San Francisco General Hospital, Division of Addiction Medicine	Invited Speaker
1996	UCSF Langlely Porter Psychiatric Hospital and Clinics Grand Rounds	Invited Speaker Grand
1997	UCSF School of Nursing	Invited Speaker
1997	UCSF Department of Medicine AIDS Program	Invited Speaker
1997	Northern California Psychiatric Society Annual Meeting, Monterey	Workshop Speaker
1997	San Francisco General Hospital Department of Psychiatry Grand Rounds	Invited Speaker
1997	San Francisco General Hospital Department of Psychiatry Grand Rounds	Invited Speaker
1997	Northern California Psychiatric Society LGBT Committee	Chair Fall Symposium
1997	Progress Foundation, San Francisco	Invited Speaker
1998	San Francisco General Hospital Department of Psychiatry Grand Rounds	Invited Speaker
1999	Northern California Psychiatric Society Annual Meeting, Santa Rosa	Invited Speaker
1999	Northern California Psychiatric Society Annual Meeting, Santa Rosa	Invited Speaker
1999	University of California, Davis, Department of Psychiatry Grand Rounds	Invited Speaker
1999	California Pacific Medical Center Department of Psychiatry Grand Rounds	Invited Speaker
1999	San Francisco General Hospital Department of Psychiatry Departmental Case Conference	Discussant
2000	Langlely Porter Psychiatric Hospital and Clinics Consultation Liaison Seminar	Invited Speaker
2000	San Francisco General Hospital, Psychopharmacology Seminar	Invited Speaker

2000	UCSF Transgender Health Conference, Laurel Heights Conference Center	Invited Speaker
2000	Psychiatry Course for UCSF Second Year Medical Students	Invited Lecturer
2000	Community Consortium Treatment Update Symposium, California Pacific Medical Center, Davies Campus	Invited Speaker
2000	San Francisco General Hospital Department of Psychiatry Grand Rounds	Invited Speaker
2001	Psychiatry Course for UCSF Second Year Medical Students	Invited Lecturer
2003	Tom Waddell Health Center Inservice	Invited Speaker
2003	San Francisco Veterans Affairs Outpatient Clinic	Invited Speaker
2004	San Francisco General Hospital Psychiatric Emergency Service Clinical Conference	Invited Speaker
2004	South of Market Mental Health Clinic, San Francisco	Invited Speaker
2005	Northern Psychiatric Society Annual Meeting	Invited Speaker
2005	Equality and Parity: A Statewide Action for Transgender Prevention and Care, San Francisco	Invited Speaker HIV
2005	San Francisco General Hospital Department of Psychiatry Grand Rounds.	Invited Speaker
2006	SFGH/UCSF Department of Psychiatry Grand Rounds	Invited Speaker
2007	UCSF Department of Medicine, HIV/AIDS Grand Rounds, Positive Health Program	Invited Speaker
2007	California Pacific Medical Center LGBT Health Symposium, San Francisco LGBT Community Center	Invited Speaker
2007	UCSF CME Conference, Medical Management of HIV/AIDS, Fairmont Hotel, San Francisco	Invited Speaker
2008	UCSF Department of Medicine, Positive Health Program, HIV/AIDS Grand Rounds	Invited Speaker
2008	San Francisco General Hospital Psychiatry Grand Rounds	Invited Speaker
2008	UCSF CME Conference, Medical Management of HIV/AIDS, Fairmont Hotel, San Francisco	Invited Speaker
2010	Northern California Psychiatric Society Annual Meeting, Monterey, CA	Invited Speaker
2011	Transgender Mental Health Care Across the Life Span, Stanford University	Invited Speaker
2011	San Francisco General Hospital Department of Psychiatry Grand Rounds	Invited Speaker

		Invited Speaker
2012	UCSF AIDS Health Project Veterans Affairs Medical Center.	Invited Speaker 2012 San Francisco
2013	Association of Family and Conciliation Courts Conference,	Invited Speaker Los Angeles, CA
2014	UCSF Transgender Health elective	Invited Speaker
2014	UCSF Department of Psychiatry Grand Rounds	Invited Speaker
2014	California Pacific Medical Center Department of	Invited Speaker Psychiatry Grand Rounds
2014	UCLA Semel Institute Department of Psychiatry Grand	Invited Speaker Rounds
2015	UCSF Transgender Health elective	Invited Speaker
2015	Fenway Health Center Boston, MA (webinar)	Invited Speaker
2015	Transgender Health Symposium, Palm Springs	Invited Speaker
2015	Transgender Health Symposium, Palm Springs	Co-Chair
2015	Santa Clara Valley Medical Center Grand Rounds	Invited Speaker
2016	UCSF School of Medicine Transgender Health elective	Invited Speaker
2016	Langley Porter Psychiatric Institute APC Case Conference	Invited Speaker (2 session series)
2016	Zuckerberg San Francisco General Department of Psychiatry Grand Rounds	Invited Speaker
2016	UCSF Mini-Medical School Lectures to the Public	Invited Speaker
2021	Los Angeles County Department of Mental Health,	Invited Speaker
2023	Alameda County Department of Behavioral Health,	Invited Speaker

CONTINUING EDUCATION AND PROFESSIONAL DEVELOPMENT ACTIVITIES

2005	Northern California Psychiatric Society
2005	Northern California Psychiatric Society Annual Meeting, Napa
2005	Association of Gay and Lesbian Psychiatrist Annual Conference
2006	Annual Meeting, American Psychiatric Association, Atlanta
2006	Annual Meeting, American Psychiatric Association, Toronto
2006	Institute on Psychiatric Services, New York
2007	Association of Gay and Lesbian Psychiatrists Annual Conference

2007	American Psychiatric Association Annual Meeting, San Diego
2007	The Medical Management of HIV/AIDS, a UCSF CME Conference
2008	Society for the Study of Psychiatry and Culture, San Francisco
2009	American Psychiatric Association, San Francisco
2009	World Professional Association for Transgender Health, Oslo, Norway
2010	Annual Meeting of the Northern California Psychiatric Society, Monterey, CA
2011	Transgender Mental Health Care Across the Life Span, Stanford University
2011	National Transgender Health Summit, San Francisco
2011	American Psychiatric Association Annual Meeting, Honolulu, HI
2011	World Professional Association for Transgender Health Biennial Conference, Atlanta, GA
2011	Institute on Psychiatric Services, San Francisco
2012	Gay and Lesbian Medical Association Annual Meeting, San Francisco
2013	National Transgender Health Summit, Oakland, CA
2013	American Psychiatric Association Annual Meeting, San Francisco
2013	Gay and Lesbian Medical Association, Denver, CO
2014	American Psychiatric Association Annual Meeting, New York
2014	Institute on Psychiatric Services, San Francisco
2015	European Professional Association for Transgender Health, Ghent, Belgium
2015	National Transgender Health Summit, Oakland
2015	American Psychiatric Association Annual Meeting, Toronto
2016	American Psychiatric Association Annual Meeting, Atlanta
2016	World Professional Association for Transgender Health, Amsterdam

GOVERNMENT AND OTHER PROFESSIONAL SERVICE

1998 - 2002	City and County of San Francisco Human Rights Member Commission LGBT Advisory Committee
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I am the chair of the American Psychiatric Association Workgroup on Gender Dysphoria, which developed a CME course for the 2015 and 2016 APA Annual Meetings, and has an larger educational mission to train American psychiatrists to better care for transgender patients. I have been leading education efforts in transgender health at APA meetings since 1998. On the APA Workgroup on Gender Dysphoria, I am a co-author of a paper of transgender issues that has been approved by the American Psychiatric Association as a resource document and is in press for the American Journal of Psychiatry. I am also the sole author of the chapter on transgender care in the American Psychiatric Press's Clinical Manual of Cultural Psychiatry, Second Edition.

I have been active internationally in transgender health through my work as a member of the Board of Directors of the World Professional Association for Transgender Health. I am an author of the WPATH Standards of Care, Version 7, and am Chapter Lead for the Mental Health Chapter of SOC 8.

I chaired the WPATH Public Policy Committee and was a member of the Global Education Initiative, which developed a specialty certification program in transgender health. I helped plan the 2016 WPATH Amsterdam conference, and was on the scientific committee for the last four biennial international conferences. I was on the founding committee of USPATH, the national affiliate of WPATH, and I chaired the inaugural USPATH conference, in Los Angeles in 2017. As a member of the steering committee of the WPATH Global Educational Initiative, I helped train over 2000 health providers in transgender health, and helped develop a board certification program and examination in transgender health.

UNIVERSITY SERVICE UC SYSTEM AND MULTI-CAMPUS SERVICE

1991 – 2003 HIV/AIDS Task Force Member

1992 - 1993 HIV Research Group Member

1992 - 1997	Space Committee	Member
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1992 - 2003	Gay, Lesbian and Bisexual Issues Task Force	Member
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1994 - 1997	SFGH Residency Training Committee	Member
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1996 - 1997	Domestic Partners Benefits Subcommittee.	Chair
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1996 - 2000	Chancellor's Advisory Committee on Gay, Lesbian, and Transgender Issues.	Member Bisexual
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1996 - 2003	HIV/AIDS Task Force	Co-Chair
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1996 - 2003	Cultural Competence and Diversity Program	Member
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2009 - present	Medical Advisory Board, UCSF Center of Excellence for Transgender Health	Member
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2010 - 2013	Steering Committee, Child Adolescent Gender Center	Member
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2011 – 2017 Mental Health Track, National Transgender Health Summit Chair

DEPARTMENTAL SERVICE

- 1991 - 2003 San Francisco General Hospital, Department of Psychiatry, Member HIV/AIDS Task Force
- 1992 - 1993 San Francisco General Hospital, Department of Psychiatry, Member HIV Research Group
- 1992 - 1997 San Francisco General Hospital, Department of Psychiatry, Member Space Committee
- 1992 - 2003 San Francisco General Hospital, Department of Psychiatry, Member GLBT Issues Task Force
- 1994 - 1997 San Francisco General Hospital, Department of Psychiatry, Member Residency Training Committee
- 1996 - 2003 San Francisco General Hospital, Department of Psychiatry, Member Cultural Competence and Diversity Program
- 1996 - 2003 San Francisco General Hospital, Department of Psychiatry, Co-Chair HIV/AIDS Task Force
- 2012 - 2020 San Francisco Department of Public Health Gender Member Competence Trainings Committee
- 2013 - 2020 San Francisco Department of Public Health Transgender Member Health Implementation Task Force
- 2014 - 2020 San Francisco General Hospital, Department of Psychiatry, Member Transgender Surgery Planning Workgroup

PEER REVIEWED PUBLICATIONS

1. Berliner JA, Frank HJL, **Karasic D**, Capdeville M. Lipoprotein-induced insulin resistance in aortic endothelium. *Diabetes*. 1984; 33:1039-44.
2. Bradberry CW, **Karasic DH**, Deutch AY, Roth RH. Regionally-specific alterations in mesotelencephalic dopamine synthesis in diabetic rats: association with precursor tyrosine. *Journal of Neural Transmission. General Section*, 1989; 78:221-9.
3. Targ EF, **Karasic DH**, Bystritsky A, Diefenbach PN, Anderson DA, Fawzy FI. Structured group therapy and fluoxetine to treat depression in HIV-positive persons. *Psychosomatics*. 1994; 35:132-7.
4. Karasic DH. Homophobia and self-destructive behaviors. *The Northern California Psychiatric Physician*. 1996; 37 Nov.-Dec. Reprinted by the Washington State Psychiatric Society and the Southern California Psychiatric Society newsletters.
5. Karasic D. Anxiety and anxiety disorders. *Focus*. 1996 Nov; 11(12):5-6. PMID: 12206111
6. Polansky JS, **Karasic DH**, Speier PL, Hastik KL, Haller E. Homophobia: Therapeutic and training considerations for psychiatry. *Journal of the Gay and Lesbian Medical Association*. 1997 1(1) 41-47.

7. Karasic DH. Progress in health care for transgendered people. Editorial. Journal of the Gay and Lesbian Medical Association, 4(4) 2000 157-8.
8. Perry S, **Karasic D**. Depression, adherence to HAART, and survival. Focus: A Guide to AIDS Research and Counseling. 2002 17(9) 5-6.
9. Fraser L, **Karasic DH**, Meyer WJ, Wylie, K. Recommendations for Revision of the DSM Diagnosis of Gender Identity Disorder in Adults. International Journal of Transgenderism. Volume 12, Issue 2. 2010, Pages 80-85.
10. Coleman, E., Bockting, W., Botzer, M., Cohen-Kettenis, P., DeCuypere, G., Feldman, J., Fraser, L., Green, J., Knudson, G., Meyer, W., Monstrey, S., **Karasic D** and 22 others. (2011). Standards of Care for the Health of Transsexual, Transgender, and Gender Nonconforming People, 7th Version. International Journal of Transgenderism, 13:165-232, 2011
11. Tsai AC, **Karasic DH**, et al. Directly Observed Antidepressant Medication Treatment and HIV Outcomes Among Homeless and Marginally Housed HIV-Positive Adults: A Randomized Controlled Trial. American Journal of Public Health. February 2013, Vol. 103, No. 2, pp. 308-315.
12. Tsai AC, Mimmiaga MJ, Dilley JW, Hammer GP, **Karasic DH**, Charlebois ED, Sorenson JL, Safren SA, Bangsberg DR. Does Effective Depression Treatment Alone Reduce Secondary HIV Transmission Risk? Equivocal Findings from a Randomized Controlled Trial. AIDS and Behavior, October 2013, Volume 17, Issue 8, pp 2765-2772.
13. **Karasic DH**. Protecting Transgender Rights Promotes Transgender Health. LGBT Health. 2016 Aug; 3(4):245-7. PMID: 27458863
14. Winter S, Diamond M, Green J, **Karasic D**, Reed T, Whittle S, Wylie K. Transgender people: health at the margins of society. Lancet. 2016 Jul 23;388(10042):390-400. doi: 10.1016/S0140-6736(16)00683-8. Review./> PMID: 27323925
15. Grelotti DJ, Hammer GP, Dilley JW, **Karasic DH**, Sorensen JL, Bangsberg DR, Tsai AC. Does substance use compromise depression treatment in persons with HIV? Findings from a randomized controlled trial. AIDS Care. 2016 Sep 2:1-7. [Epub ahead of print]/> PMID: 27590273
16. Strang JF, Meagher H, Kenworthy L, de Vries AL, Menvielle E, Leibowitz S, Janssen A, Cohen-Kettenis P, Shumer DE, Edwards-Leeper L, Pleak RR, Spack N, **Karasic DH**, Schreier H, Balleur A, Tishelman A, Ehrensaft D, Rodnan L, Kushner ES, Mandel F, Caretto A, Lewis HC, Anthony LG. Initial Clinical Guidelines for Co-Occurring Autism Spectrum Disorder and Gender Dysphoria or Incongruence in Adolescents. J Clin Child Adolesc Psychol. 2016 Oct 24:1-11. [Epub ahead of print]/> PMID: 27775428
17. Milrod C, **Karasic DH**. Age Is Just a Number: WPATH-Affiliated Surgeons' Experiences and Attitudes Toward Vaginoplasty in Transgender Females Under 18 Years of Age in the United States. J Sex Med 2017;14:624–634.
18. William Byne, Dan H. Karasic, Eli Coleman, A. Evan Eyler, Jeremy D. Kidd, Heino F.L. Meyer-Bahlburg, Richard R. Pleak, and Jack Pula. Gender Dysphoria in Adults:

- An Overview and Primer for Psychiatrists. *Transgender Health*. Dec 2018;57-A3. <http://doi.org/10.1089/trgh.2017.0053>
19. Identity recognition statement of the world professional association for transgender health (WPATH). *International Journal of Transgenderism*. 2018 Jul 3; 19(3):1-2. Knudson KG, Green GJ, Tangpricha TV, Ettner ER, Bouman BW, Adrian AT, Allen AL, De Cuypere DG, Fraser FL, Hansen HT, **Karasic KD**, Kreukels KB, Rachlin RK, Schechter SL, Winter WS, Committee and Board of Direct
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EXPERT WITNESS AND CONSULTATION ON TRANSGENDER CARE AND RIGHTS

2008 Consultant, California Department of State Hospitals

2012 Dugan v. Lake, Logan UT

2012 XY v. Ontario <http://www.canlii.org/en/on/onhrt/doc/2012/2012hrto726/2012hrto726.html>

2014 Cabading v California Baptist University

2014 CF v. Alberta

<http://www.canlii.org/en/ab/abqb/doc/2014/2014abqb237/2014abqb237.html>

2017 United Nations Development Programme consultant, transgender health care and legal rights in the Republic of Vietnam; Hanoi.

2017- 2018 Forsberg v Saskatchewan; Saskatchewan Human Rights v Saskatchewan
<https://canliiconnects.org/en/summaries/54130>
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2018 United Nations Development Programme consultant, transgender legal rights in Southeast Asia; Bangkok.

2018 Consultant, California Department of State Hospitals

2019, 2021 Consultant/Expert, Disability Rights Washington

2019, 2021 Consultant/Expert, ACLU Washington

2021 Consultant, California Department of Corrections and Rehabilitation

2021 Expert, Kadel v. Folwell, 1:19-cv-00272 (M.D.N.C.).

2021 Expert, Drew Glass v. City of Forest Park - Case No. 1:20-cv-914 (Southern District Ohio)

2021-2022 Expert, Brandt et al v. Rutledge et al. 4:21-cv-00450 (E.D. Ark.)

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2022 Expert, C.P. v. Blue Cross Blue Shield of Illinois, No. 3:20-cv-06145-RJB (W.D. Wash.)

2022-3 Expert, Dekker, et al. v. Weida, et al., No. 4:22-cv-00325-RH-MAF

2019-2023 Expert, Disability Rights Washington v Washington State Department of Corrections

2023 Expert, K.C. et al. v Individual Members of the Indiana Licensing Board, et al- No. 1:23-CV-595

2023 Expert, Doe, et al v Ladapo -No. 4:23-cv-00114-RH-MAF

2023 Expert, Doe et al v Thornbury -No. 3:23-cv-00230-DJH

2023 Expert Voe v Mansfield

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